

10 April 14

Michigan Agricultural College,

COLLEGE FACULTY:

Edwin Willits, M. A., -	President.
T. C. Abbot, LL. D., -	Prof. of Mental Science.
R. C. Kedzie, M. A., M. D., -	Chemistry.
A. J. Cook, M. S., -	Entomology.
W. J. Beal, M. S., Ph. D., -	Botany.
R. C. Carpenter, M. S., C. E., -	Mathematics.
Sam'l Johnson, M. S., -	Agriculture.
E. J. Mac Ewan, M. A., -	English.
E. A. A. Grange, V. S., -	Veterinary Science.
J. A. Lockwood, Lt. U. S. A., -	Military Science.
L. H. Bailey, Jr., M. S., -	Horticulture.
Lewis McLouth, M.A., Ph.D., -	Mechanics.

DEPARTMENT OF HORTICULTURE AND LANDSCAPE GARDENING.

Agricultural College. S. Q.

Ingham Co., Mich. July 4 1888

My Dear Mr. Watson:

I take the liberty to send you by express, prepaid, a small parcel of plant for examination. Dr. Peal, C. F. Wheeler, and myself have made a botanizing trip across Michigan in the jack pine plains region, and the few things I send are mostly from this collection. I want your opinion upon the violet (no. 29), the *amelanchier alnifolia* and the roses; also upon the plant from Lansing which I call *Stellaria graminea* L. The violet I am entirely unable to place. It may be a form of *B. canina*, although it is very different from *B. canina* var. *Muhlenbergiae*, a specimen of which from the same region I send for comparison. This violet, 29, grows in the driest and hottest sand over a considerable territory. Its deep blue and handsome. I send the *Ceanothus* in order

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R. C. Carpenter, M. S., C. E.,	" Mathematics.
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To call your attention to the disagreement between the specimens and Manual description of leaves. This Ceanothus is very abundant on the plains, and holds the leaf characters constantly. I send also three Vaccinium - *Pensylvanicum*, *vacillans*, *Canadense* - to show you that Dr. Gray's remarks concerning periods of ripening of fruit are true and that these periods are good specific characters. These three species grow intermingled, thousands of acres of sandy plains, and everywhere they ripen in the order above named so far as I can learn. The three specimens, collected at random on the same day, are instructive in this regard. The species do not appear to run together. *V. vacillans* is distinguished at a glance by its pale, glaucous-green leaves.

Later I will send you a description of the jack pine (*P. Banksiana*) as it grows over thousands of square miles in Upper Mich. The manual description is misleading. Yours sincerely,
With your package is one for Mr. Deane. L. H. Bailey